

IN RE: ETHICON, INC. PELVIC FLOOR REPAIR SYSTEM, PRODUCT LIABILITY LITIGATION

**Hernia Mesh Search Terms DRAFT v1.B\* (Appendix 3)**

	SEARCH TERM
1	(3DPL)
2	(510K w/25 (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
3	(abdom* w/1 hernia)
4	("abdominal cavity" OR "abdominal wall*") AND (mesh OR hernia))
5	("absorbable adhesion barrier" AND (mesh OR hernia))
5a	"Aachen"
6	((AdCom OR (Advisory w/1 Committee)) AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
7	(adhes* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
8	(adipose AND (mesh OR hernia))
9	("adverse event*" AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
10	("adverse reaction*" AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
11	("American College of Surgeons" OR ACS OR facs*) AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
12	("American Hernia Society" OR AHS OR americanherniasociety*)
13	(ARD)
14	("Asia Pacific Hernia Society" OR APHS OR aphernia*)
15	(bassini AND (mesh OR hernia))
15a	"Biofilm"
16	(bioresorbab* AND (mesh OR hernia))
17	("bowel obstruct*" AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
18	(bridging AND (mesh OR hernia))
19	(bulg* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
19a	"Bunching"
20	("burning sensation" AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
21	((("chronic obstructive pulmonary disorder" OR COPD) AND (mesh OR hernia))
22	(circulat* AND (mesh OR hernia))
23	(complaint* w/25 (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
24	(complication* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
25	(composix*)
26	(cone* AND (mesh OR hernia))
27	(conical AND (mesh OR hernia))
28	((("connective tissue*" w/10 weak*) AND (mesh OR hernia))
28a	"Contraction"
29	((cooper w/5 repair*) AND (mesh OR hernia))
30	(coyote AND (mesh OR hernia))
31	(crinkl* AND (mesh OR hernia))
32	((defect* OR curl* OR rop* OR fibrosis*) AND (mesh OR hernia))
32a	"degrad*"

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33	(delamina* AND (mesh OR hernia))
34	(diaphragmatic w/1 hernia)
35	("discomfort" AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
35a	"Duren"
36	(dynamesh*)
37	(EAUML1)
38	(EAUMM3)
39	(EAUMR3)
40	(EAUMS3)
41	(edelweiss)
42	(enlarg* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
43	(ero* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
44	(explant* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
45	(extru* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede*))
46	("fascia transversalis" AND (mesh OR hernia))
47	((fascial w/10 (defect* OR deficienc*) AND (mesh OR hernia))
48	(FDA w/25 (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
49	(femoral w/1 hernia)
49a	"Fibrosis" or "fibrotic"
50	(fistula* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
51a	"Foreign body" or "FB response" or "FBR"
51	Fray* AND (mesh OR hernia))
52	("gold standard" AND (mesh OR hernia))
52a	"Granuloma"
53	(groin* AND (mesh OR hernia))
54	((healing w/10 (delay* OR poor) AND (mesh OR hernia))
54a	"Heavyweight" or "HW"
55	(hematoma* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
56	(heniford AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
57	(hernia* AND (mesh OR "ventral patch" OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
57a	((("Hernia" or "mesh") and "sarcoma" or "squamous" or "Carcinoma" or "cancer" or "tumor" or "tumour" or "carcinogen")
58	(hernioplast* AND (mesh OR hernia))
59	(herniorrhaph* AND (mesh OR hernia))
60	(hiatal w/1 hernia)
61a	"Histology"
61	(hydrocele* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
62	(IFU* w/25 (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))

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63	(implant* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
64	(incarcerat* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
65	(incision* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
66	(incisional w/1 hernia)
67	(indirect w/1 hernia)
68	("infection" AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
68a	"Inflam*"
69	(inguinal w/1 hernia)
70	(intercede* AND mesh)
71	("International Congress of the European Hernia Society" OR "European Hernia Society" OR GREPA OR herniaweb*)
72	("International Hernia Mesh Registry" OR IHMR)
73	(intestine* AND (mesh OR hernia))
74	(investigat* w/25 (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
74a	"Klinge"
74b	"Klosterhalfen"
75	("lacunar ligament" AND (mesh OR hernia))
76	((laparoscopic w/5 repair*) AND (mesh OR hernia))
76a	"Large pore" or "LP"
77	(lichtenstein AND (mesh OR hernia))
78	(lifting AND (mesh OR hernia))
78a	"lightweight" or "LW"
79	(lump* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
80	(mcvey AND (mesh OR hernia))
80a	(Mesh or hernia) and "FEG"
81	(midline w/1 hernia)
82	(migrat* w/10 (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
83	(monofilament AND (mesh OR hernia))
84	(monopro)
85	(mopro)
86	((multifilament OR "multi filament") AND (mesh OR hernia))
87	((multilaminat* OR "multi laminat*") AND proceed*)
88	(myofascial AND (mesh OR hernia))
89	(("myopectineal orifice" OR MPO) AND (mesh OR hernia))
90	("native tissue repair*" AND (mesh OR hernia))
91	((("nerve injur*" OR "nerve damage" OR "nerve pain" OR "nerve" or ("nerve/5 entrap*")) AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
91a	"Nerve entrapment"
92	("next gen*" AND PHS)
93	("next gen*" AND proceed*)
94	("next gen*" AND TSM)
94a	"next gen" and "mesh"

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	SEARCH TERM
94b	"next gen" and "hernia"
94c	"NG" and (mesh or hernia)
94d	NGM or NGH
95	(NGTSM)
96	(obes* AND (mesh OR hernia))
97	(open w/1 hernia)
98	((open w/5 repair*) AND (mesh OR hernia))
99	(overlay AND (mesh OR hernia))
100	((("oxidized regenerated cellulose" OR orc) AND (mesh OR hernia))
101	((oxygen w/10 (content* OR level*) AND (mesh OR hernia))
102	(pain* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
102a	Particle w/5 loss AND (mesh OR Hernia)
103	(patch* AND (mesh OR hernia))
104	(PCDB1)
105	(PCDD1)
106	(PCDG1)
107	(PCDH1)
108	(PCDJ1)
109	(PCDL1)
110	(PCDM1)
111	(PCDN1)
112	(PCDT1)
113	(PCDW1)
114	(perfix*)
115	(peristomal w/1 hernia)
116	(peritoneal w/1 hernia)
117	(peritoneum AND (mesh OR hernia))
117a	"Peroxide" or "superoxide"
118	(phoenix AND (mesh OR hernia))
119	(PHS)
120	(PHSE)
121	(PHSE6)
122	(PHSL)
123	(PHSL6)
124	(PHSM)
125	(PHSM6)
126	(PHY0715R)
127	(PHY1015V)
128	(PHY1515Q)
129	(PHY1520R)
130	(PHY1520V)
131	(PHY2025V)
132	(PHY2030R)
133	(PHY2535V)
134	(PHY3035R)
135	(PHY3050R)

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136	(physiomes*)
137	(plug* AND (mesh OR hernia))
138	(PMH)
139	(PMI1)
140	(PML)
141	(PMLK)
142	(PMSK)
143	(PML)
144	(PMXS)
145	((polydioxanone OR pds) AND (mesh OR hernia))
146	(polypropylene AND (mesh OR hernia))
146a	"Polyv*" OR "PVDF"
147	("pore size" AND (mesh OR hernia))
148	((pore* w/5 collapse*) AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
149	(potentiat* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
150	("primary hernia*")
151	(proceed* AND mesh)
152	((proceed* AND patch*) OR "ventral patch")
153	(prolene* AND mesh)
154	((prolene AND patch*) OR "3d patch*")
155	("prolene hernia system" OR phs)
156	("prolene light")
157	((protrud* OR prodtrus*) AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
158	(PVPM)
159	(PVPS)
160	(rapid AND (plug OR hernia))
161	(recall* w/25 (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
162	(recur* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
163	((reduc* OR irreduc*) AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
164	(reinforc* AND (mesh OR hernia))
165	(remov* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
166	(revis* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede*))
166a	"RWTH"
167	(SAGES)
167a	"Scar plate"
167b	"Scarring"
168	(scrot* AND (mesh OR hernia))
169	(seroma* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
170	(shouldice AND (mesh OR hernia))
171	((shrink* OR contract* OR reduc* OR short*) w/10 (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomes* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))

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	SEARCH TERM
171a	"Shrinkage"
171b	"Small pore" or "SP"
172	(softpro)
173	(sombbrero AND (plug OR hernia))
174	(spider AND (mesh OR hernia))
174a	"SPM" or "Soft Prolene Mesh"
175	(SPMH)
176	(SPMII)
177	(SPMLI)
178	(SPMS)
179	(SPMXS)
180	(SPMXXL)
181	(strangulat* AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
182	(sublay AND (mesh OR hernia))
183	((suture* w/5 repair*) AND (mesh OR hernia))
184	("synthetic mesh*" AND hernia)
185	(TC7)
186	((tension* w/5 repair*) AND (mesh OR hernia))
187	(testic* AND (mesh OR hernia))
188	("tissue attach*" AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
189	((tissue*AND separat*) AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
190	((("totally extraperitoneal" OR TEP) AND (mesh OR hernia))
191	((("transabdominalpreperitoneal" OR TAPP) AND (mesh OR hernia))
192	((trilaminat* OR "tri laminat*") AND proceed*))
193	(truss* AND (mesh OR hernia))
194	(TSM)
195	(ugahary)
196	(UHS)
197	(UHSL)
198	(UHSL6)
199	(UHSM)
200	(UHSM6)
201	(ultrapro* AND mesh)
202	(ultrapro* AND plug*)
203	("ultrapro hernia system" OR uhs)
204	(umbilical w/1 hernia)
205	(UMF1)
206	(UML1)
207	(UMM1)
208	(UMM3)
209	(UMM3)
210	(UMN1)
211	(UMN3)
212	(UMP3)
213	(UMR3)

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	SEARCH TERM
214	(UMS3)
215	(UMT1)
216	(underlay AND (mesh OR hernia))
217	(UNSOV)
218	(UPPL2)
219	(UPPL6)
220	(UPPM2)
221	(UPPM6)
222	(UPPS2)
223	(UPPS6)
224	(ventral w/1 hernia)
225	(visceral w/1 hernia)
226	(vypro* AND (line w/5 (extension* OR extend*)))
227	(vypro* AND blue)
228	(vypro* AND mesh)
229	(vypro* AND visor)
230	("vypro plus")
231	((withdraw* OR withdrew*) w/25 (mesh OR hernia))
232	("wound dehiscence" AND (mesh OR "ventral patch" OR hernia OR prolene* OR ultrapro* OR physiomesh* OR vypro* OR intercede* OR "Polypropylene*" OR "PP*"))
232a	"Wrinkling"
233	("www.herniasolutions.com")
234	("www.smarterpatient.com")
235	(XCUMF1)
236	(XCUML1)
237	(XCUMM1)
238	(XCUMM3)
239	(XCUMN1)
240	(XCUMN3)
241	(XCUMP3)
242	(XCUMR3)
243	(XCUMS1)
244	(XCUMS3)
245	(XCUMT1)

\*The parties have not yet agreed to all of the terms contained in this Appendix. The parties are continuing to meet and confer concerning additional and/or modified search terms that have been proposed by Plaintiffs. Once the parties finalize the search terms, an amended Appendix 3 will be submitted to the Court.